2019 NYAAE Conference "Built AG Strong"
Workshop Selection Guide

Instructions: Please utilize this document to review the workshop offerings prior to logging into your conference registration to make your selection. This will help reduce the likelihood that the registration website will 'time out' while you are trying to select your workshops. The workshop selection will open at **7 a.m. on Friday March 1, 2019**. To select your workshops, you will go to the conference registration link (found in your confirmation e-mail or by clicking HERE) and "Modify Registration". Once you have entered the required information, you'll be able to select your workshops for the entire conference.

Please note that there are two sessions I would like to draw your attention to as the enrollment is slightly different than our 'normal process':

"Build a Foundation for your Program's SAEs": Please note that in an effort to strengthen the third circle of the 3-circle model of Agricultural Education across New York State, every conference participant will be required to attend one of the sessions for this workshop. The workshop is offered Sunday afternoon and Monday morning.

"Agricultural Business Foundations BriefCASE": This workshop is being offered during the conference on Wednesday June 26th from 8 a.m. to 12 p.m. as well as after the conference ends on Wednesday from 1p.m. to 5 p.m. ***You only need to attend ONE of the 4-hour sessions to be fully certified in the CASE Agricultural Business Foundations course. The certification includes full access to the semester-long curriculum, powerpoints, teacher notes, materials list, and all other materials.*** If you select the 8 a.m. workshop, please note that you will not be able to attend any of the other morning workshops on Wednesday June 26th. Conference participants will be given first priority for this workshop however we will open up this session to other teachers on Monday, April 1st, 2019 so please be sure to register early.

Sunday, June 23, 2019, Afternoon Workshops. Please select **2** of the following workshops.

Workshop Title	Presenter(s)	Description
Build a Foundation for your Program's SAEs ***This session is required for all conference participants and must be selected for either this session or the Monday morning session.***	**Jennifer Phelps,** *Carthage Central School* **Catie Rowe,** *NY FFA Specialist* **Erin Smith,** *Stockbridge Valley Central School*	Does the "SAE" component of your agricultural education program give you fits? Do you wonder how in the world you will be able to manage individual SAEs for all your students? Foundational SAEs are appropriate for students at every level of their agricultural education career, regardless of the amount of time spent in class or on the project. Foundational SAEs involve more than classroom instruction and knowledge, these projects are developed and built upon over a student's enrollment in Ag. ED and no matter what the students' interest, include 5 major focuses. Join us for an insider's look at helping your students develop stronger Foundational SAEs while learning practical ways to manage them!
Etching Glass to Teach Mechanical Science Concepts	**Anthony Cronk** *South Jefferson Central School*	Glass etching is an exciting project that allows your students to be creative and provides them the opportunity to create a design and etch it into glass; all while learning to use some of the tools in your shop! Participants will be using the computer program called Sure Cuts Pro to design a stencil and a vinyl cutter to cut self-adhesive vinyl into the stencil. You will then weed out the desired design and adhere it to a piece of glass. A sandblaster will be used to etch the design onto the glass. Never worry about appreciation or thank you gifts again once you attend this workshop!
The Pleasures and Pitfalls of Incorporating Aquaponics Systems for the Classroom	**Dr. Elisa Livengood** *SUNY Morrisville*	"Aquaponics" seems to be a hot topic amongst commercial producers and classroom educators alike; but what do these systems really entail? Come join Dr. Elisa Livengood as we explore seafood demand and consumption; sustainable production; and this powerful teaching tool for biological and chemical concepts. This workshop will introduce teachers to the STEM and agricultural systems concepts these systems can cover. Educators will gain basic knowledge of the aquaponics systems that can be built for their classrooms, where to find materials from high to low tech, and how to incorporate this into an experiential learning exercise. Educators will also be presented with scenarios of the common pitfalls many adopters of such systems face and be given tools on how to overcome them.
Refocus, Reorganize, and Repurpose your FFA Alumni	**Joshua Rusk** *Executive Director-National Alumni & Supporters*	FFA Alumni members can be a huge asset to yourself and your program, but we all know that some of them may need a little help understanding how to become the next generation of FFA alumni. Participants will gain insight on how to refocus, reorganize and repurpose their alumni so that they are working in sync with the agriculture educator, agricultural education program and FFA. Whether you currently have a FFA alumni chapter or are looking at starting one, participants will identify the real economic impact that one can make on their local program and how to tell the story that the Agricultural Education is a true community program that everyone wants to be a part of.

Monday, June 24, 2019, Morning Workshops. Please select **2** of the following workshops.

Workshop Title	Presenter(s)	Description
Best Practices in Measuring and Developing Student Soft	**Richard Jones** *NY CTE Technical Assistance Center*	In this session discover the best practices to be intentional and systematic for developing student work habits and soft skills. The hands-on activities in agriculture are great opportunities to give students feedback as they develop these behaviors in the classroom and supervised experiences. Participants will learn how to thoughtfully move forward with expectations, instruction and feedback approaches to measure and develop these skills. The CTE Technical Assistance Center has developed a Life/Career Framework, an online rubric database, and recommendations for teachers to strengthen the development of these behaviors through CTE programs. This will be particularly useful in aligning and assessing middle-level agriculture courses in the revised Middle-Level CTE requirement and curriculum.
Build a Foundation for your Program's SAEs ***This session is required for all conference participants and must be selected for either this session or the Sunday afternoon session.***	**Jennifer Phelps,** *Carthage Central School* **Catie Rowe,** *NY FFA Specialist* **Erin Smith,** *Stockbridge Valley Central School*	Does the "SAE" component of your agricultural education program give you fits? Do you wonder how in the world you will be able to manage individual SAEs for all your students? Foundational SAEs are appropriate for students at every level of their agricultural education career, regardless of the amount of time spent in class or on the project. Foundational SAEs involve more than classroom instruction and knowledge, these projects are developed and built upon over a student's enrollment in Ag. ED and no matter what the students' interest, include 5 major focuses. Join us for an insider's look at helping your students develop stronger Foundational SAEs while learning practical ways to manage them!
It's Electric!	**Christopher Smith** *SUNY Cobleskill*	It's electric! In today's society, DC electricity is all around us! Our cars, cell phones, drones, and many other electrical devices utilize DC electricity. In this workshop, you will learn about fundamental DC electricity. Help your students understand the devices that they are using on a daily basis and the importance of skilled electrical workers. This workshop will highlight content skills needed to be successful in the SUNY Cobleskill John Deere TECH Program.
Plotting on Buck Fever	**Carly Santangelo,** *Cuba-Rushford Central School* **Tanya Nickerson,** *Fillmore Central School*	Do a number of your students come down with buck fever every fall? This workshop is designed to use food plot scenarios to bring agronomy concepts to students in many content areas. What crops to grow, what's the soil type, how much to fertilize, when to plant, how much will the seed cost, how will you plant it? To answer all of these questions you will be immersed in content; use your math, science, and English skills; and learn all about soil and use NGSS's Web Soil Survey website. Take it farther in your classroom by incorporating mechanics and custom fabrication for food plot size equipment.

Monday, June 24, 2019, Afternoon Workshops. Please select **2** of the following workshops.

Workshop Title	Presenter(s)	Description
Advancing SAEs in Your Program	**Jennifer Phelps,** *Carthage Central School* **Catie Rowe,** *NY FFA Specialist* **Erin Smith,** *Stockbridge Valley Central School*	Did the "Foundational SAE" workshop get you fired up to strengthen SAEs? Get ready to dive deeper into the SAE For All Curriculum! This curriculum encourages 100% of FFA members to have SAEs. Attendees will learn more about Foundational and Immersion SAEs; how they can help students grow and mold their projects over their high school career; and even into their post-high school plans. SAEs are a process-not a singular project and this workshop will show you more ways to strengthen what your students have already created so you can make progress towards 100% SAE participation!
Drones in Agriculture	**Erick Haas** *Cazenovia Equipment*	The future of agriculture is here! The primary focus of this presentation will be Drones in Agriculture; however Erick Haas will also discuss basic principles of Precision Agriculture so that the audience can understand how drones integrate into a producer's operation as well as their suite of Precision Ag tools. Participants will learn all about hardware options, software, data analytics, and real life applications. Participants will have the opportunity to see precision agriculture equipment up close along with drones that are used in the field in a live demonstration.
Floral Design in the Classroom	**Crystal Aukema,** *Marathon Central School* **Cyndee Burton,** *the Carrot Barn*	Introductory floral design classes teach students basic design principles, such as balance, proportion and harmony, while familiarizing them with the material and tools of floral design. Students explore the color wheel and discover color schemes while learning to identify and care for flowers. In this workshop teachers will learn about the basic concepts that should be taught, materials used, tips and tricks to complete this unit without breaking the bank, and best practices to teach this material. Come learn a skill that not only applies to the classroom but also aligns with the FFA Floriculture CDE!
WORD: It's How We Write	**Rebecca Romeo** *Paul Smith's College*	Have you ever been frustrated when trying to type out a letter to parents and you can't get the program to do what you want? Then this workshop is sure to please as presenter Rebecca Romeo shares WORD tips and tricks to make your life easier! Participants will walk away with new skills that focus on paragraphing. Graphic organizers such as 'the house and the hamburger' will be used to assist in developing paragraphs that support topic sentences. Proper formatting for in-text citations will be modeled.

Monday, June 24, 2019, Evening Workshops. Please select **1** workshop. Note that these sessions are evening sessions and are optional

Workshop Title	Presenter(s)	Description
Landscape Design & More!	**Jack Klossner,** *Jack Works!*	Come explore the major components of landscape design and learn how to plan out your design by evaluating soil types, discussing the impact water flow has on design, and more! Jack Klossner has been in the business of teaching ornamental horticulture and the business of landscaping for over 30 years! Participants in this session will enjoy a laid back yet information packed time that will focus in on what you need to know and want to practice!
Learn to Line Dance	**Kathlyn McCarthy,** *Fonda-Fultonville Central School* **Rebecca Romeo,** *Paul Smith's College*	Ever wanted to 'Wow' your students with your moves on the dance floor while you're chaperoning another school function? Our teachers have asked so we have delivered! Join professional line dance callers Kathlyn McCarthy and Rebecca Romeo for an evening of fun, laughter, and line dancing!

Tuesday, June 25, 2019, Morning Workshops. Please select **1** of the following workshops.

Workshop Title	Presenter(s)	Description
CDE Exploration	**Nichole Hirt,** *Indian River Central School* **Tedra Bean,** *Belleville-Henderson Central School*	Have you had students come to you wanting to try a career development event (CDE) that you have no clue about, and you began to panic? Fear no more! This workshop will offer training on some of the most requested CDEs to help familiarize you with the components, scoring, and required materials. It is our goal to have everyone more comfortable with some of these events and willing to encourage their students to try out new opportunities within FFA!
Teaching Strategies that Motivate Young Adolescents	**Jack Berckemeyer** *Berckemeyer Consulting Group*	Looking for fun and motivating ideas for your middle level classroom? This is a hands-on session that provides real, quality strategies in the areas of reading, writing, spelling, grammar, listening, and speaking skills. No philosophy here, just creative ideas to motivate the middle level learner. This is a great session for new teachers and experienced teachers. Be ready to dance, laugh, and move!
What Should We Be Teaching Our Students About Finance?	**Bruce Erath** *Financial Consultant*	Have you ever asked yourself, 'What's the point of teaching the Pythagorean Theorem when my students can't even balance a checkbook?' In this engaging workshop with Mr. Bruce Erath, come learn from a financial expert what topics we should be equipping our students to deal with in the area of personal finance! With practical ways to educate your students about their financial futures, don't be surprised if you take a tip or trick home to add to your own personal finance toolbox!
What's the Buzz on Beekeeping?	**Matt Bryant & Ron Hess** *Greater Southern Tier BOCES*	Albert Einstein once said, "Without bees, man would only have four years to live." With a statement like that, it's imperative that our students learn about these effective pollinators; but how can you convince your administration and where do you start? Join our presenters as they share first-hand experience on how they started an apiary at their school and assume the role of their students as they walk you through daily activities and lessons to incorporate your bee hive into the classroom.

Tuesday, June 25, 2019, Afternoon Workshops. Please select **1** of the following workshops.

Workshop Title	Presenter(s)	Description
CDE Exploration	**Nichole Hirt,** *Indian River Central School* **Tedra Bean,** *Belleville-Henderson Central School*	Have you had students come to you wanting to try a career development event (CDE) that you have no clue about, and you began to panic? Fear no more! This workshop will offer training on some of the most requested CDEs to help familiarize you with the components, scoring, and required materials. It is our goal to have everyone more comfortable with some of these events and willing to encourage their students to try out new opportunities within FFA!
Field of Dreams: Maintain it & They Will Come	**Dominic Morales,** *New York State Turfgrass Association & SUNY Delhi* **Joann Gruttadaurio,** *Former Senior Extension Associate at Cornell*	Are you looking for creative partnerships that benefit both your agriculture students and the school community as a whole? Look no further than this workshop sponsored by the New York State Turfgrass Association, where presenters will engage participants in learning the procedures, agronomic principles, and proper maintenance techniques that are necessary to maintain safe playing surfaces! With practical tips on how to partner with your school's athletic and/or maintenance department all while providing your students with hands-on career experiences, this is a session for the champion in all of us!
Teaching Strategies that Motivate Young Adolescents	**Jack Berckemeyer** *Berckemeyer Consulting Group*	Looking for fun and motivating ideas for your middle level classroom? This is a hands-on session that provides real, quality strategies in the areas of reading, writing, spelling, grammar, listening, and speaking skills. No philosophy here, just creative ideas to motivate the middle level learner. This is a great session for new teachers and experienced teachers. Be ready to dance, laugh, and move!
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Wednesday, June 26, 2019, Morning Workshops. Please select **2** of the following workshops unless otherwise noted.

Workshop Title	Presenter(s)	Description
Agricultural Business Foundations BriefCASE **4-HOUR SESSION (8 A.M.-12 P.M.)** ***You do NOT have to attend both BriefCASE sessions; please only choose ONE.*** ****IF YOU SELECT THIS WORKSHOP, DO NOT SELECT A 2ND WORKSHOP. THIS IS A 4-HOUR SESSION. ****	**TBD** *Curriculum for Agricultural Science Education*	*Agricultural Business Foundations* (ABF) BriefCASE is a 4-hour professional development workshop culminating with ABF teacher certification. ABF is an elective course from the AgSTEM menu and introduces students to business management in agriculture. Mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course throughout subsequent CASE courses. Throughout the course are practical and engaging activities, projects, and problems to develop and improve student business management skills. The CASE certification and materials are known for their highly engaging design that utilizes hands-on and inquiry-based learning to make students the drivers behind their own education.
Chainsaw Safety, Operation, & Maintenance	**Schuyler Daugherty** *Genesee Valley Educational Partnership*	Chainsaws are dangerous pieces of equipment that can cause loss of limb or life with careless use. This workshop is designed with the instructor in mind. We will cover topics associated with the safe use, operation, and maintenance of chainsaws in the agriculture education classroom setting. Topics will include PPE, chainsaw safety features, chainsaw reactive forces, basic maintenance, filing techniques, limbing, and bucking techniques, and techniques used in the felling of live timber. Participants will walk away with a working knowledge that can be shared in the classroom immediately and have an opportunity to practice skills such as sharpening and operating a saw.
InterAGtive Notebooks Liven Up Class	**Veronique Krohn** *Beekmantown Central School*	Does your energy level drop on days you know you're doing notes in class? Turn that around with InterAGtive Notebooks! Come explore what an interactive notebook looks like and learn how to engage your students with a different style of notetaking. Not only will these notebooks help students retain material, study, and have fun with notes, but they can also help relieve boredom in class! Participants will walk away with their own example of how to set-up the notebook in this multi-disciplinary workshop that can be applied to any class!
Nursery Landscape Know How	**Mandi Millen,** *Cazenovia Central School* **Karen LaBombard,** *Northern Adirondack Central School,* **Molly Huttar**, *Hillside Flowers*	Did you know that one of the fastest growing careers areas is nursery management and landscape design? Would you like to add some nursery and landscape skills to your agriculture classroom but don't know where to start? This workshop will help you learn hands-on nursery and landscape skills that can be used in your greenhouse, classroom, and CDE team preparations. We will go through the parts of the Nursery/Landscape CDE, ways to implement these career skills into your classroom curriculum, and the steps involved with skills such as nursery propagation, potting nursery stock, and paver and plant installation.
Swine AI	**Travis Armison** *Alfred State College*	We have all heard how the agriculture industry today is more than 'cows, sows, and plows' but in this engaging workshop, we'll be focusing on sows and boars! Whether you raise pigs on school grounds or just bring a few in for a week during that unit, you won't want to miss this session! Participants will learn how to

		determine heat; two types of Artificial Insemination; boar handling and collection; and how to process semen. Join our presenter Travis Armison as he teaches how to breed pigs, specifically with your classroom in mind!

Wednesday, June 26, 2019, CONFERENCE EXTENSION Afternoon Workshop. This session is OPTIONAL and may be selected.

Workshop Title	Presenter(s)	Description
Agricultural Business Foundations BriefCASE **4-HOUR SESSION (1 P.M.-5 P.M.)** ***You do NOT have to attend both BriefCASE sessions; please only choose ONE.*** ****IF YOU SELECT THIS WORKSHOP, DO NOT SELECT A 2ND WORKSHOP. THIS IS A 4-HOUR SESSION. ****	**TBD** *Curriculum for Agricultural Science Education*	*Agricultural Business Foundations* (ABF) BriefCASE is a 4-hour professional development workshop culminating with ABF teacher certification. ABF is an elective course from the AgSTEM menu and introduces students to business management in agriculture. Mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course throughout subsequent CASE courses. Throughout the course are practical and engaging activities, projects, and problems to develop and improve student business management skills. The CASE certification and materials are known for their highly engaging design that utilizes hands-on and inquiry-based learning to make students the drivers behind their own education.